

**STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**

In the Matter of:)	Docket No. 00-AFC-1C
GATEWAY GENERATING)	Order No. 08-0102-03
STATION)	
PACIFIC GAS and ELECTRIC)	ORDER TO AMEND THE ENERGY
COMPANY (PG&E))	COMMISSION DECISION TO ALLOW
)	USE OF TWO ADDITIONAL WATER
)	TANKS
)	

On November 15, 2007, Pacific Gas and Electric Company (PG&E) filed a petition with the California Energy Commission requesting to amend the Energy Commission Certification to add two water tanks at the Gateway Generating Station. The 530-megawatt project was certified by the Energy Commission on May 30, 2001, and construction is approximately 33 percent complete. The facility is located east of the city of Antioch, in Contra Costa County.

STAFF RECOMMENDATION

Energy Commission staff reviewed the petition and has determined that it complies with the requirements of Title 20, Section 1769(a) of the California Code of Regulations. Staff recommends approval of the PG&E petition to amend the Energy Commission certificate to add two water tanks at the Gateway Generating Station. Note that in addition to adding the two new water tanks to Table 1 of Condition of Certification GEN-2, the table has been moved to the verification, all wording in the condition and verification has been changed and staff's recommendation includes additional modifications to Table 1 to reflect major equipment changes in the Dry Cooling Amendment that was approved by the Energy Commission on August 1, 2007.

COMMISSION FINDINGS

Based on staff's analysis, the Energy Commission concludes that the proposed changes will not result in any significant impact to public health and safety, or the environment. The Energy Commission finds that:

- A. The petition meets all the filing criteria of Title 20, section 1769(a) of the California Code of Regulations concerning post-certification project modifications;
- B. The modification will not change the findings in the Energy Commission's Final Decision pursuant to Title 20, section 1755;
- C. Adherence to the proposed revisions to Conditions of Certification GEN-2 will ensure the facility will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code section 25525;

- D. The facility design changes will be beneficial to the public and project owner by reducing water usage.
- E. There has been a substantial change in circumstances since the Energy Commission certification and the change is based on information that was not available to the parties prior to Energy Commission Certification justifying the changes to the water handling system. PG&E replaced Mirant as the project owner and restarted construction. The design and build phase of construction identified the need for improvement.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts staff's recommendations and approves the following changes to the Gateway Generating Station Certification. (Deleted text is in ~~strike through~~, new text is underlined with new water tank items shown in Table 1 **underlined and bolded text**):

- GEN-2** Prior to submittal of the initial engineering designs for CBO review, the project owner shall furnish to the CPM and to the CBO a schedule of facility design submittals, a Master Drawing List and a Master Specifications List. The schedule shall contain a list of proposed submittal packages of designs, calculations and specifications for major structures and equipment. To facilitate audits by Energy Commission staff, the project owner shall provide specific packages to the CPM when requested.

Verification: At least 60 days (or project owner and CBO approved alternative timeframe) prior to the start of rough grading, the project owner shall submit to the CBO and to the CPM the schedule, the Master Drawing List and the Master Specifications List of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures and equipment listed in Facility Design Table 1 below. Major structures and equipment shall be added to or deleted from the table only with CPM approval. The project owner shall provide schedule updates in the Monthly Compliance Report.

Table 1: Major Equipment List

Equipment/System	Quantity Plant
Combustion Turbine (CT) Generator	2
Steam Turbine (ST)	1
Generators	3
CTG Step-Up Transformers	2
STG Main Step-Up Transformer	1
CT Inlet Air Filter	2
Inlet Air Cooling	2
Air Compressor	3
Fuel Gas Compressor	1
Fuel Gas Filter – Separator	2
Heat Recovery Steam Generator (HRSG)	2
HRSG Stack	2
Condensate Pump	2
Ammonia Injection Skid	2
Ammonia Storage Tank	1
HP/IP HRSG feedwater pumps	2
Make-up Fire Water Storage Tank	1
Service Water Pumps	2
Demineralized Water Pumps	2
Demineralized Water Treatment Package	1
Demineralized Water Storage Tank	1
Condensate Pump	3
Circulating Water Pumps	3
Condensate Polisher	1
Cooling Tower Bank Air Cooled Condenser (ACC)	1
Fire Water Pump Skid	4
Fire Water Pumps	2
Auxiliary Cooling Water Pumps	2
Plant Air Compressors & Dryers	2
Step-up Main Unit Auxiliary Transformers	2
<u>Service Water Supply Tank</u>	<u>1</u>
<u>Wastewater Storage Tank</u>	<u>1</u>

IT IS SO ORDERED.

Date: January 2, 2008

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JACKALYNE PFANNENSTIEL, Chairman